



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/038,459	01/07/2002	Yi-Chi Shih		8376

7590 03/23/2005  
Dr. Yi-Chi Shih  
2220 Thorley Place  
Palos Verdes Estates, CA 90274

EXAMINER	
LEE, BENNY T	
ART UNIT	PAPER NUMBER
2817	

DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

File: 0674

APR 23

☐ This application has been examined ☒ Responsive to communication filed on 8/29/2007 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Two (2) month(s), \_\_\_\_\_ day(s) from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

**Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:**

1. ☐ Notice of References Cited by Examiner, PTO-892.
3. ☐ Notice of Art Cited by Applicant, PTO-1449.
5. ☐ Information on How to Effect Drawing Changes, PTO-1474.
2. ☐ Notice re Patent Drawing, PTO-948.
4. ☐ Notice of Informal Patent Application, Form PTO-152
6. ☐

## Part II SUMMARY OF ACTION

1. ☒ Claims 1-6, 8-10 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☒ Claims 1-6, 8-10 are allowed.
4. ☐ Claims \_\_\_\_\_ are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_ Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been ☐ approved by the examiner; ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved; ☐ disapproved (see explanation).
12. ☐ Acknowledgement is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received ☐ been filed in parent application, serial no. \_\_\_\_\_ filed on \_\_\_\_\_.
13. ☒ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other \_\_\_\_\_

### EXAMINER'S ACTION

SN 38459

U.S.GPO:1990-259-282

This application is in condition for allowance except for the following formal matters:

**In the Specification:**

The disclosure is objected to because of the following informalities: Page 2, line 1, note that “**FILED**” should be correctly spelled as ~~FILED~~. In the replacement paragraph bridging pages 10 & 11, lines 22, 37 therein, note that “51b” should be deleted as being inappropriate at each occurrence; line 28 therein, should “Fig. 3(c)” correctly be --Fig. 3(b)-- which is the figure that depicts “adapter (51’)?; line 33, therein, note that “inner cavity” should be rephrased as --waveguide channel--. Appropriate correction is required.

**In the Claims:**

The following claims have been found objectionable for reasons set forth below:

In claim 1, third paragraph, 10<sup>th</sup> line therein; claim 5, 8<sup>th</sup> line; claim 6, line 7: note that --the-- should be inserted prior to “microwave” for a proper characterization at each occurrence.

In claims 5 & 6, line 3 of each claim, should --also-- follow “waveguide probe” for a proper characterization?; line 8 of each claim, note that “said reference plane of” should now be deleted from these claims in view of the deletion of “reference planes” in independent claim 1.

In claim 8, line 1, note that “n” should be deleted as being inappropriate.

In claims 9, 10, lines 5, 7 of each claim, note that --receiving-- should precede each occurrence of “platform” to distinguish it from other “platforms” which have been recited.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Art Unit: 2817

Claims 1-6, 8-10 are allowable over the prior art of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is (571) 272 1764.

A handwritten signature in black ink that reads "Benny Lee". The signature is written in a cursive, flowing style.

BENNY T. LEE  
PRIMARY EXAMINER  
ART UNIT 2817

B. Lee